

1 **Amendments to the Claims:**

2 Claim 1 (currently amended): A method for forming a large diameter, subterranean soil
3 cement column in material located in a subterranean earth situs utilizing a large diameter soil
4 processing tool with a pilot in conjunction with a preformed sacrificial guide, comprising the
5 steps:

6 forming a sacrificial guide by advancing and rotating a small diameter soil
7 processing tool into said situs to break said material into pieces, said small diameter soil
8 processing tool forming a hole as it advances;

9 while advancing said small diameter soil processing tool into said situs,
10 introducing a cement slurry into said pieces from said tool at a velocity sufficient to
11 hydraulically divide said pieces into particles and mix said cement slurry with said particles to
12 form a soil-cement slurry, said soil-cement slurry containing cementitious solids, soil particles
13 and free water;

14 withdrawing said small diameter soil processing tool from said situs;

15 while withdrawing said small diameter soil processing tool, rotating said tool at
16 a rotational speed to exert a centrifugal force by said tool upon said soil-cement slurry in
17 excess of two G's, whereby said centrifugal force causes the solids of said soil-cement slurry
18 to migrate further from the center of said hole than said free water to form a first cylindrical
19 region at the outer edges of said hole and a second cylindrical region at the center of said
20 hole, said first region having a smaller proportion of free water than said second region;

21 allowing said mixture in said hole to set up;

22 advancing said pilot of ~~soil~~ said large diameter soil processing tool into said
23 second region of said sacrificial guide;

24 driving said tool downwardly, and forming a large diameter soil-cement column
25 by physically and hydraulically dividing said material into particles and mixing cement slurry
26 with said particles; and

1 breaking said sacrificial guide with said large diameter soil processing tool,
2 whereby said sacrificial guide fragments are mixed into and become part of said soil-cement
3 column formed by said large diameter soil processing tool.

4 || Claim 2 (original): The method of claim 1 comprising the further step:

5 drilling out said second region of said sacrificial guide before advancing said pilot
6 into said second region.

7 Claim 3 (original): The method of claim 1 wherein said pilot is tipped with an auger and
8 said auger is adapted to drill out said second region of said sacrificial guide as said tool is
9 advanced.

10 Claims 4-12 (canceled)